

| | | | | | | | | | | | | | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 5' | CC | GCA | ATG | GCA | CGG | CAG | CAC | GCC | CGG | ACC | TTG | TGG | TAC | GAC | AGG | CCC | ATG | TAT | |
| | M | A | R | Q | H | A | R | A | R | T | L | W | Y | D | R | P | M | Y | |
| | 9 | | 18 | | 27 | | 36 | | 45 | | 54 | | | | | | | | |
| | 63 | | 72 | | 81 | | 90 | | 99 | | 108 | | | | | | | | |
| | GTG | TTC | ATG | GAG | TTT | TGT | GTT | GAG | GAC | AGC | ACC | GAT | GTC | CAC | GTG | CTT | ATT | GAG | |
| | V | F | M | E | F | C | V | E | D | S | T | D | V | H | V | L | I | E | |
| | 117 | | 126 | | 135 | | 144 | | 153 | | 162 | | | | | | | | |
| | GAT | CAC | CGC | ATT | GTG | TTC | AGC | TGC | AAG | AAT | GCC | GAT | GGA | GTG | GAG | TTG | TAC | AAT | |
| | D | H | R | I | V | F | S | C | K | N | A | D | G | V | E | L | Y | N | |
| | 171 | | 180 | | 189 | | 198 | | 207 | | 216 | | | | | | | | |
| | GAG | ATT | GAG | TTC | TAT | GCC | AAA | GTG | AAC | TCC | AAG | GAC | TCC | CAG | GAT | AAG | CGC | TCT | |
| | E | I | E | F | Y | A | K | V | N | S | K | D | S | Q | D | K | R | S | |
| | 225 | | 234 | | 243 | | 252 | | 261 | | 270 | | | | | | | | |
| | TCC | CGC | TCT | ATT | ACT | TGT | TTT | GTG | AGA | AAA | TGG | AAG | GAA | AAG | GTG | GCC | TGG | CCG | |
| | S | R | S | I | T | C | F | V | R | K | W | K | E | K | V | A | W | P | |
| | 279 | | 288 | | 297 | | 306 | | 315 | | 324 | | | | | | | | |
| | CGG | CTT | ACC | AAG | GAG | GAT | ATC | AAG | CCA | GTG | TGG | CTG | TCT | GTG | GAC | TTT | GAT | AAC | |
| | R | L | T | K | E | D | I | K | P | V | W | L | S | V | D | F | D | N | |
| | 333 | | 342 | | 351 | | 360 | | 369 | | 378 | | | | | | | | |
| | TGG | AGA | GAC | TGG | GAA | GGG | GAT | GAA | GAG | ATG | GAG | CTG | GCT | CAT | GTG | GAA | CAT | TAT | |
| | W | R | D | W | E | G | D | E | E | M | E | L | A | H | V | E | H | Y | |

FIGURE 1A

| | | | | | |
|---|---|-------|-------|-------|-----|
| 387 | GCA GAG CTT TTG AAG AAG GTC AGC ACC AAG AGA CCT CCA CCT GCC ATG GAT | 405 | 414 | 423 | 432 |
| A E L L K K | A K K | T S V | R P P | A P A | D D |
| 396 | 450 | 459 | 468 | 477 | 486 |
| TTG GAT GAT TCT GAC AGT GCT GAT GAT GCA ACA AGT AAT TAA CTT TCT GTG | D S D S A D D A T S N | | | | |
| 441 | 495 | 504 | 513 | 522 | 531 |
| TTG GAT GAT TCT GAC AGT GCT GAT GAT GCA ACA AGT AAT TAA CTT TCT GTG | L D D S D S A D D A T S N | | | | |
| 495 | 549 | 558 | | | |
| ACG CAA AGC TGG GAA GGC AGC TGT GGC TAT TTT CCA GTT GTT CTA GAA AGC TAG | CGC CTA GGC CTT TGT CAG CG 3' | | | | |

FIGURE 1B

106250" 185629860

| | | |
|-----|---|-----------|
| 1 | M A R Q H A R T L W Y D R P M Y V F M E | 2923091 |
| 1 | M - - Q P A S A K W Y D R R D Y V F I E | GI 438652 |
| 21 | F C V E D S T D V H V L I E D H R I V F | 2923091 |
| 19 | F C V E D S K D V N V N F E K S K L T F | GI 438652 |
| 41 | S C - K N A D G V E L Y N E I E F Y A K | 2923091 |
| 39 | S C L G G S D N F K H L N E I D L F H C | GI 438652 |
| 60 | V N S K D S Q D K R S S R S I T C F V R | 2923091 |
| 59 | I D P N D S K H K R T D R S I L C C L R | GI 438652 |
| 80 | K W K E K V A W P R L T K E D I K P V W | 2923091 |
| 79 | K G E S G Q S W P R L T K E R A K L N W | GI 438652 |
| 100 | L S V D F D N W R D W E G D E E M E L A | 2923091 |
| 99 | L S V D F N N W K D W E D D S D E D M S | GI 438652 |
| 120 | H V E H Y A E L L K K V S T K R P P - - | 2923091 |
| 119 | N F D R F S E M M N N M G G D E D V D L . | GI 438652 |
| 138 | P A M D D L D D D S D S A D D A T S - - | 2923091 |
| 139 | P E V D G A D D D S Q D S D D E K M P D | GI 438652 |
| 156 | - N | 2923091 |
| 159 | L E | GI 438652 |

FIGURE 2

FO6250" 85629860

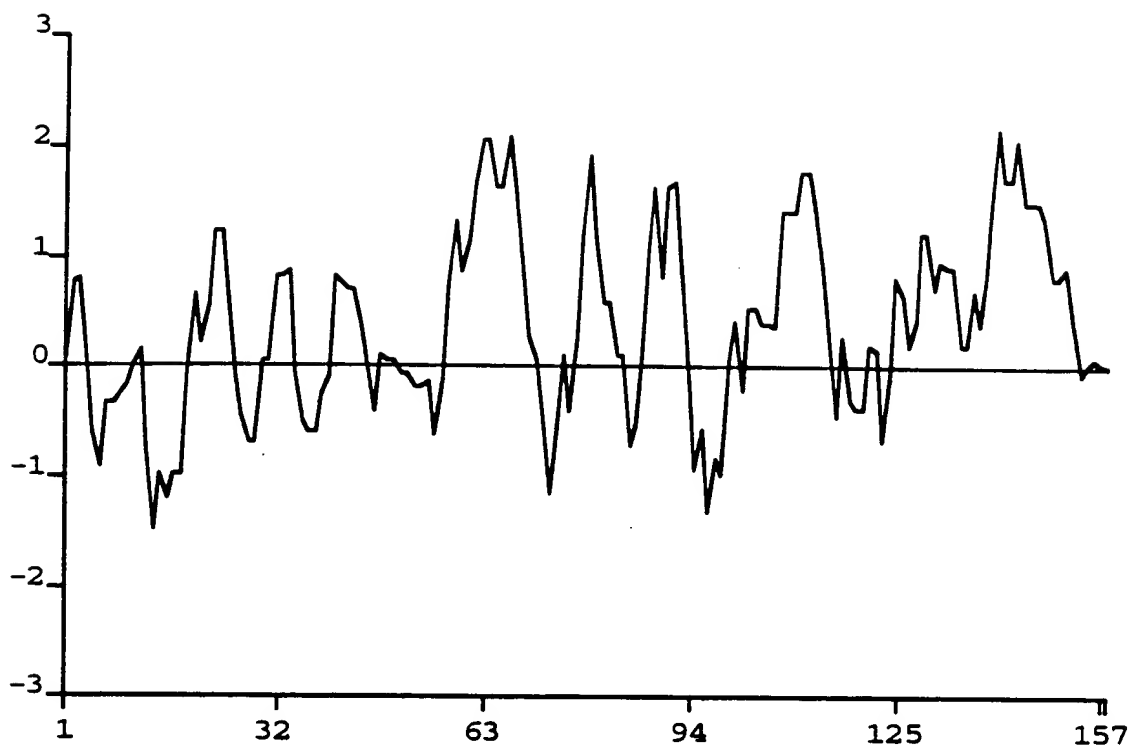


FIGURE 3A

106250-05629860

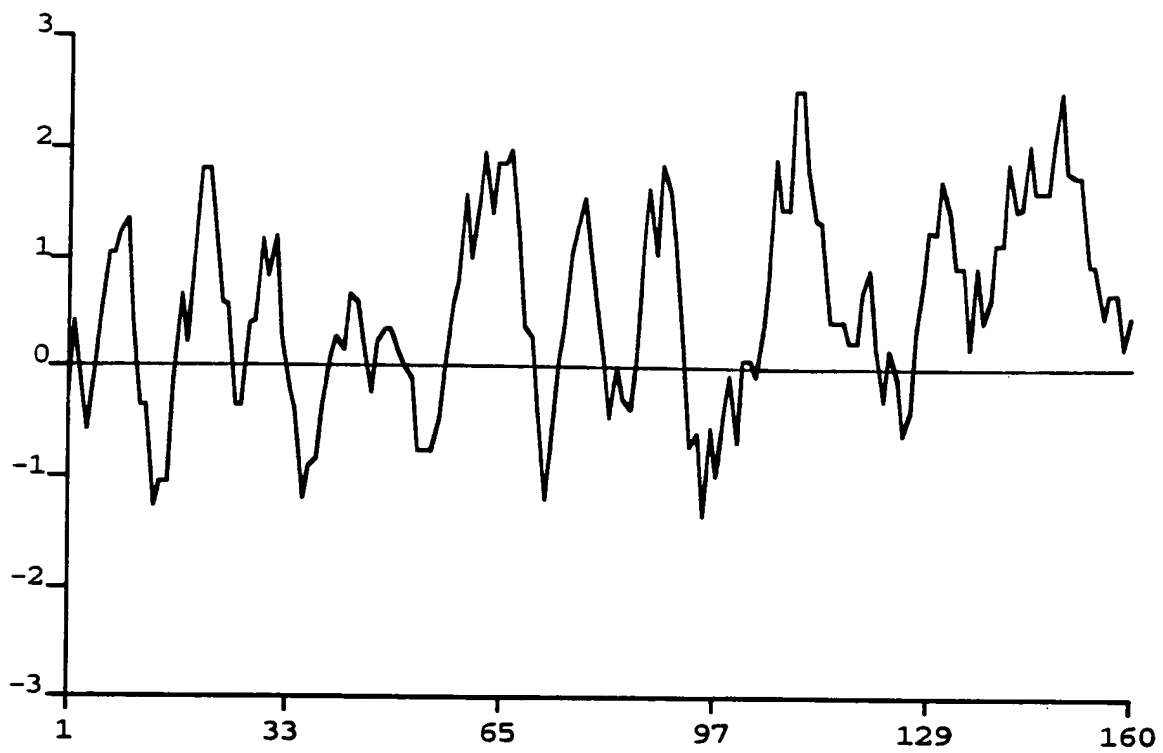


FIGURE 3B